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H05K 5/02

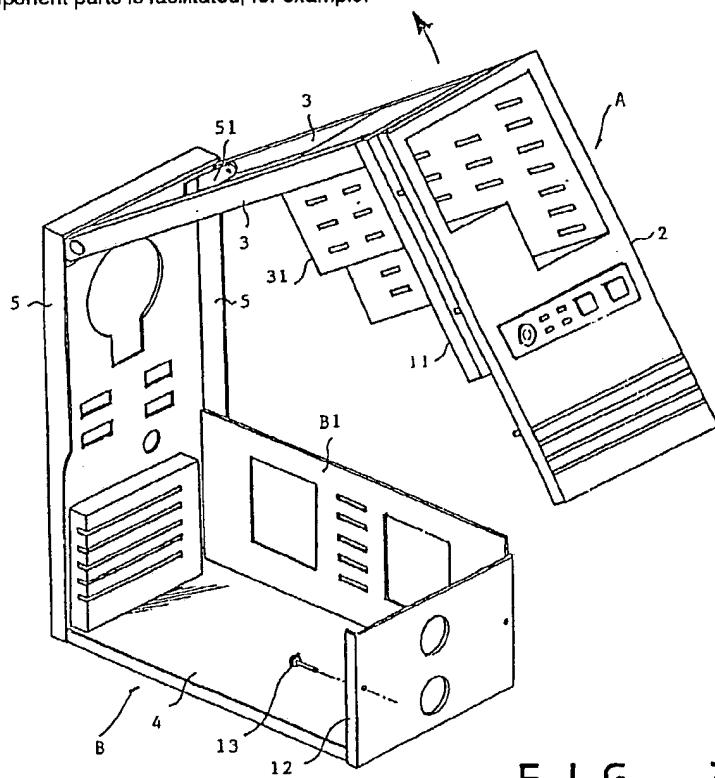
(52) UK CL (Edition K)
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(56) Documents cited
GB 2235826 A GB 2179500 A GB 2119233 A
GB 1578011 A GB 1326485 A

(58) Field of search
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INT CL⁶ H05K

(54) A computer case

(57) A computer case comprising a first framework A and a second framework B pivotally connected thereto, first framework A having an upper front support 11, a panel 2, two cross supports 3 and a frame 31, while second framework B has a base 4, a lower front support 12, two rear supports 5 and a side flap B1, upper front support 11 keeping panel 2 in position, lower front support 12 being fixedly connected with base 4, and rear supports 5 being provided with a pivoted lever 51, said upper front support, cross supports, frame and panel being rotatable with respect to said pivoted lever. Assembly and maintenance of component parts is facilitated, for example.



F I G. 3

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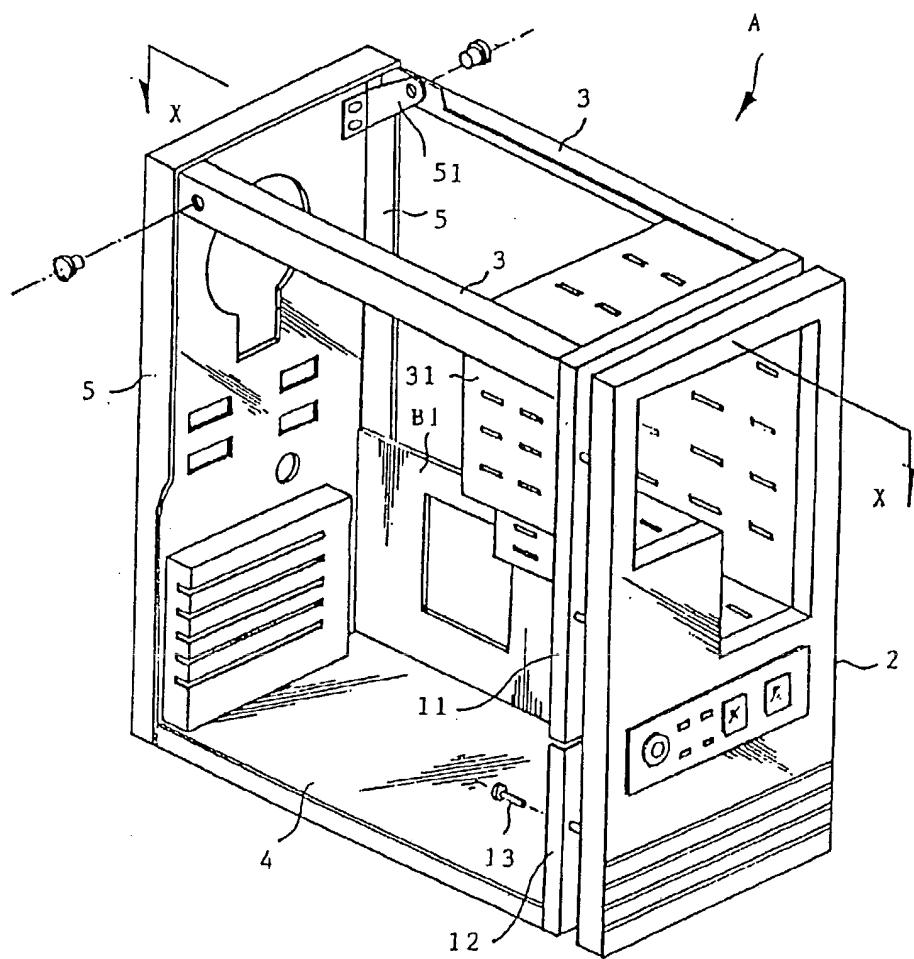


FIG. 1

1.5

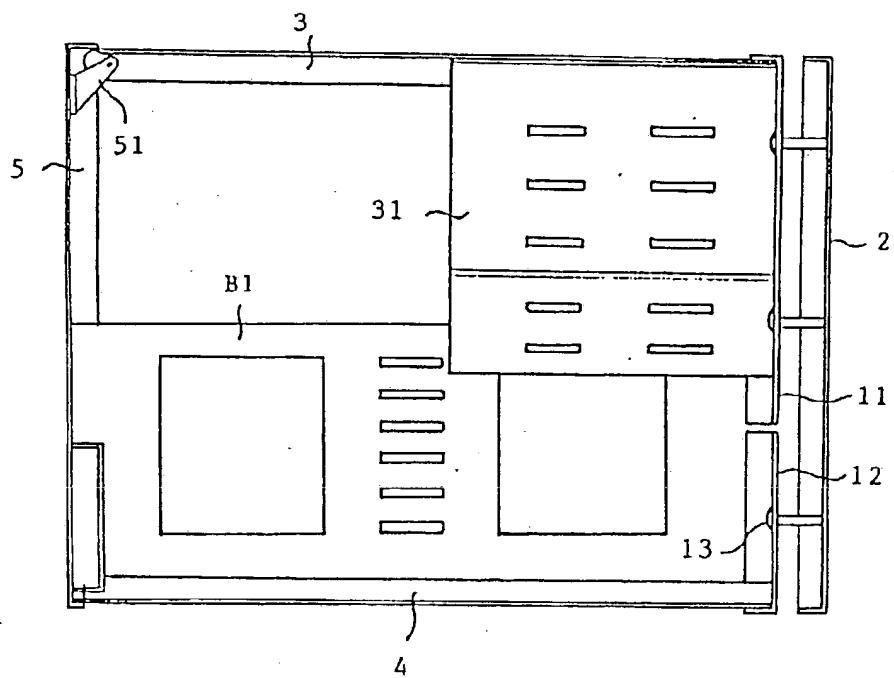


FIG. 2

2.5

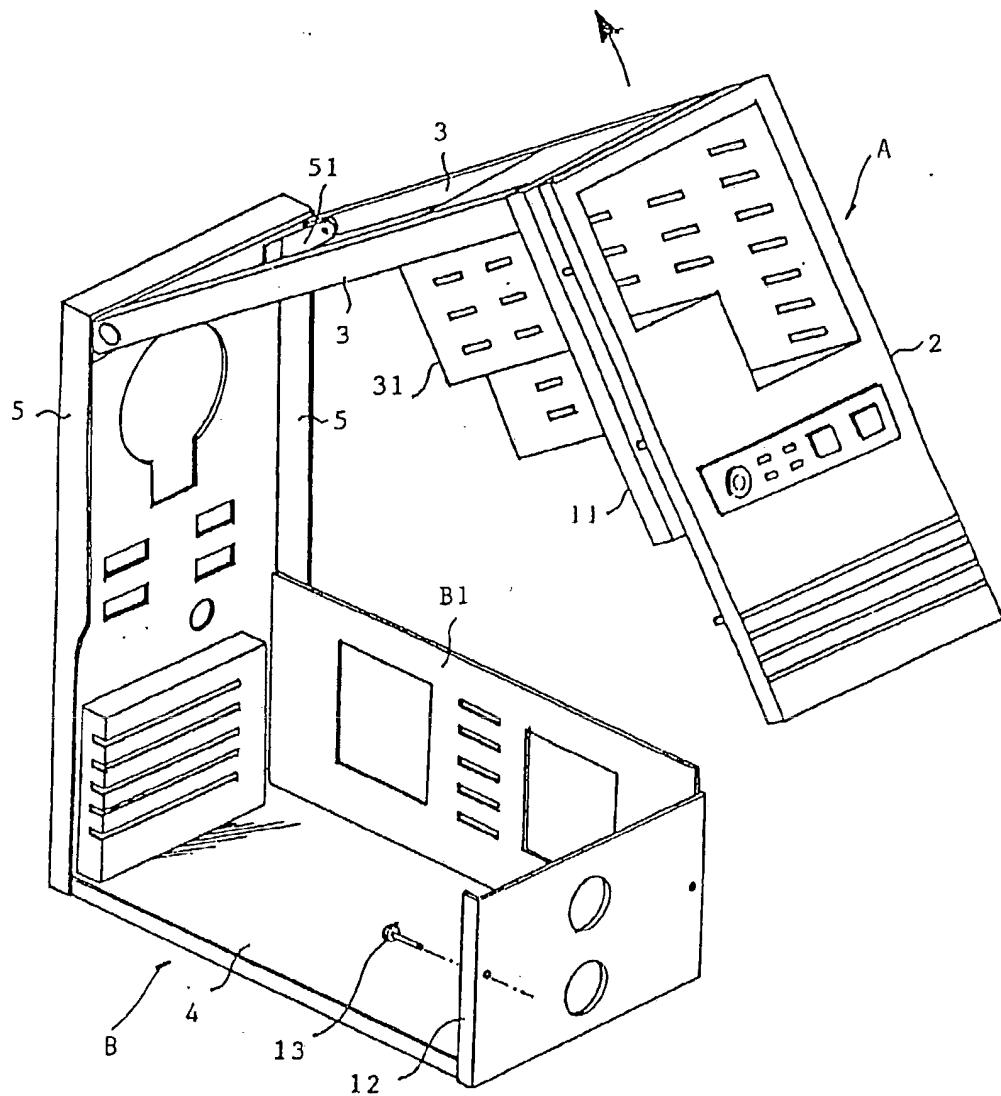


FIG. 3

3.5

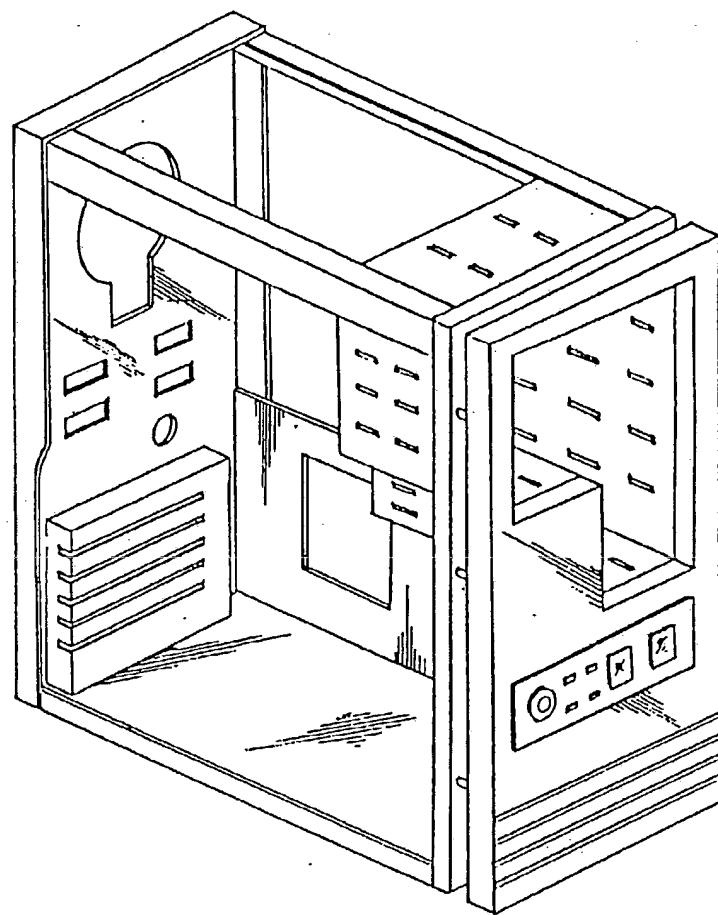
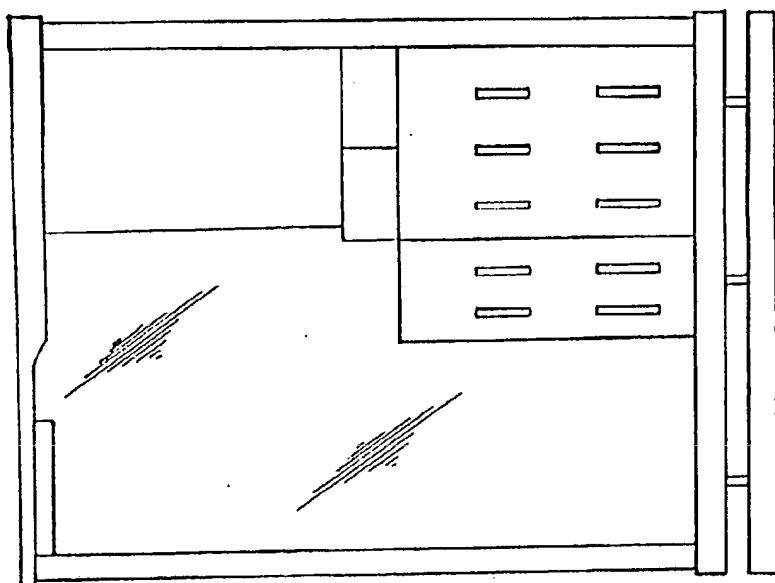


FIG. 4

4.5



F I G. 5

5.5

TITLE: A COMPUTER CASE

This invention relates to an improved computer case.

It is found that the prior art computer case is kept in a fixed shape and so there is little space for assembly and maintenance of the component parts thereby causing 5 much inconvenience.

Therefore, it is an object of the present invention to provide an improved computer case which may obviate and mitigate the above-mentioned drawbacks.

10 It is the primary object of the present invention to provide a computer case the top and the panel of which may be turned upwards to provide a larger space for facilitating the assembly and maintenance thereof.

15 It is another object of the present invention to provide a computer case which is simple in construction.

It is still another object of the present invention to provide a computer case which is fit for mass production.

20 It is still another object of the present invention to provide a computer case which is economic to produce.

It is a further object of the present invention to provide a computer case which is compact in size.

Other objects and merits and a fuller understanding of the present invention will be obtained by those having ordinary skill in the art when the following detailed 5 description is read in conjunction with the accompanying drawings.

FIG. 1 is a perspective view of the computer case according to the present invention;

10 FIG. 2 is a sectional view taken along line X-X of FIG. 1;

FIG. 3 shows the way how the present invention works;

FIG. 4 is a perspective view of a prior art computer case; and

15 FIG. 5 is a side view of the prior art computer case.

With reference to the drawings and in particular to FIGS. 1 and 2, the computer case according to the present invention mainly comprises a framework A and a framework B. The framework A is provided with an upper front

20 support 11, a panel 2, two cross supports 3 and a frame 31

12, while the framework B with a base 4, a lower front support 12, two rear supports 5 and a side flap B1. The upper front support 11 is used to keep the panel 2 in position and makes a right angle with the cross support 3. The lower front support 12 is fixedly connected with the base 4.

Further, the rear support 5 of the framework A is provided with a pivoted lever 51 at both ends. The pivoted lever 51 is pivoted on the tail end of the cross support 3 so that the pivoted lever 51 may be rotated freely with respect to the pivoted lever 51.

When an upward force is applied to the cross support 3, the cross support 3 will be turned upwards about the pivoted lever 51. As the upper front support 11 is fixedly connected with the cross support 3, the upper front support 11 will be turned upwards together with the panel 2 when the cross support 3 is turned upwards (see FIG. 3).

Furthermore, since the floppy disc drive C is arranged on a frame 31 mounted on the cross support 3 and

the upper front support 11, so when the cross support 3 and the upper front support 11 are turned upwards, the floppy disc drive C will be lifted upwards thereby providing a large space between the base 4 and the side 5 flap B1 and therefore facilitating the assembly and maintenance of the component part such as the main board B2 or the like.

When the component parts in the framework A have already been assembled or repaired, simply turn down the 10 cross support 3 and the upper front support 11 and connect the lower front support 12 with the panel 12 by screws 13 or the like so as to fix the cross support 3 in position.

Although the present invention has been described with a certain degree of particularity, it is understood 15 that the present disclosure is made by way of example only and that numerous changes in the detail of construction and the combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as hereinafter claimed.

CLAIMS:

1. A computer case comprising a first framework and a second framework pivotally connected with said first framework, said first framework being provided with an upper front support, a panel, two cross supports and a frame while said second framework with a base, a lower front support, two rear supports and a side flap, said upper front support being used to keep said panel in position and make a right angle with the cross support, said lower front support being fixedly connected with said base, said rear support being provided with a pivoted lever at both ends, said pivoted lever being pivoted on an tail end of said cross support so that said upper front support, said cross support, said frame and said panel may be rotated with respect to said pivoted lever.

Patents Act 1977
**Examiner's report to the Comptroller under
 Section 17 (The Search Report)**

6

Application number

9110062.8

Relevant Technical fields

(i) UK CI (Edition 5) K H1R; RBN

Search Examiner

M WHITE

(ii) Int CI (Edition 5) 5 H05K

Databases (see over)

(i) UK Patent Office

Date of Search

JULY 1991

(ii)

Documents considered relevant following a search in respect of claims

1

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
A	GB 2235826 A (D S HOBDAY)	THE
A	GB 2179500 A (STROMBERG GREEST)	THE
A	GB 2119233 A (FF)	THE
A	GB 1578011 (MESSER GRIESHEIM)	THE
A	GB 1326485 (SHB) Examples from a wide range of prior art cases for electrical equipment (eg computers)	THE

SF2(p)

7LBAAS

Category	Identity of document and relevant passages	Relevant to claim(s)

Categories of documents

X: Document indicating lack of novelty or of inventive step.

Y: Document indicating lack of inventive step if combined with one or more other documents of the same category.

A: Document indicating technological background and/or state of the art.

P: Document published on or after the declared priority date but before the filing date of the present application.

E: Patent document published on or after, but with priority date earlier than, the filing date of the present application.

&: Member of the same patent family, corresponding document.

Databases: The UK Patent Office database comprises classified collections of GB, EP, WO and US patent specifications as outlined periodically in the Official Journal (Patents). The on-line databases considered for search are also listed periodically in the Official Journal (Patents).

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APPL-DATE: **May 9, 1991**

PRIORITY-DATA: **GB09110062A (May 9, 1991)**

INT-CL (IPC): **H05K005/02**

EUR-CL (EPC): **G06F001/18**

US-CL-CURRENT: **361/683**

ABSTRACT:

CHG DATE=19990617 STATUS=0> A computer case comprising a first framework A and a second framework B pivotally connected thereto, first framework A having an upper front support 11, a panel 2, two cross supports 3 and a frame 31, while second framework B has a base 4, a lower front support 12, two rear supports 5 and a side flap B1, upper front support 11 keeping panel 2 in position, lower front support 12 being fixedly connected with base 4, and rear supports 5 being provided with a pivoted lever 51, said upper front support, cross supports, frame and panel being rotatable with respect to said pivoted lever. Assembly and maintenance of

component parts is facilitated, for example.

